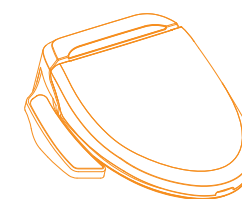




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personal Hygiene Appliance



bioBidet

Operating Instruction Manual

BB-600



- Thank you for purchasing this USPA product.
- You are kindly requested to read carefully this peration manual for proper use of this appliance with due attention.
- Please save this manual and place in an easily accessible location.
- Please register Warranty for proper service.

1 Important Safeguards

1. READ ALL INSTRUCTIONS BEFORE USING

DANGER - To reduce the risk of electric shock:

1. Do not place or store this appliance where it can fall or be pulled into a tub or sink.
2. Do not place in, or drop into water or other liquid.
3. Do not reach for a product that has fallen into water. Unplug immediately.

WARNING - To reduce the risk of burns, electric shock, fire or injury to persons.

1. Close supervision is necessary when this appliance is used by or near the very young, the elderly or in invalid. Children should not be permitted to use or touch this appliance without the supervision of an adult.
Be sure to adjust the temperature of the toilet seat for the elderly, those who are incapacitated, or people with sensitive skins.
2. Use this appliance only for its intended purpose as described in this manual. Do not use attachments not recommended by the manufacturer.
3. Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped, damaged or dropped into water.
4. Install the unit properly by following the installation procedure.
5. Only authorized persons can install or repair the unit. Do not attempt to service this appliance yourself. Doing so could void the warranty.
6. Keep the cord away from heated surfaces.
7. Never drop or insert any objects into any opening or hose.
8. Do not use outdoors. Do not use aerosol or oxygen spray products on the unit.
9. Always follow the grounding instruction in this manual before plugging in the unit.

SAVE THESE INSTRUCTIONS

2 Cautions before installation

1. NOTE THE FOLLOWING IMPORTANT POINTS

1. Do not install in a location where water might be splashed on this appliance or in a location exposed to such excessive moisture that condensation forms on the products surface.
2. To avoid damage to electronic components due to high levels of humidity, provide adequate ventilation by opening a window and/or door when bathing. You may find operating an exhaust ventilating fan during these times of high humidity beneficial.
3. Use a water supply having a water pressure of 0.8kgf/cm² to 7.5kgf/cm²
4. Connect the product to a pipe carrying potable water. Do not connect to an industrial water line or other water supply that does not carry water of drinking quality.
5. In areas where water freezes in pipes in winter make arrangements to keep the pipes warm.
The water remaining in the unit may sometimes freeze during storage in winter. In that case, warm the unit in the room before installation.
6. The thermal protector in the water tank may sometimes trip during storage or transportation in warm weather causing non-operation. In that case, cool the unit in the room before installation.
7. The rated power voltage is 120V AC, 60Hz.
8. Do not supply electrical power to the unit until the plumbing installation work has been completed; it could cause malfunction.

2 Cautions before installation

2. WIRING REQUIREMENTS

1. Any other servicing should be performed by an authorized service representative.

2. GROUNDING INSTRUCTIONS

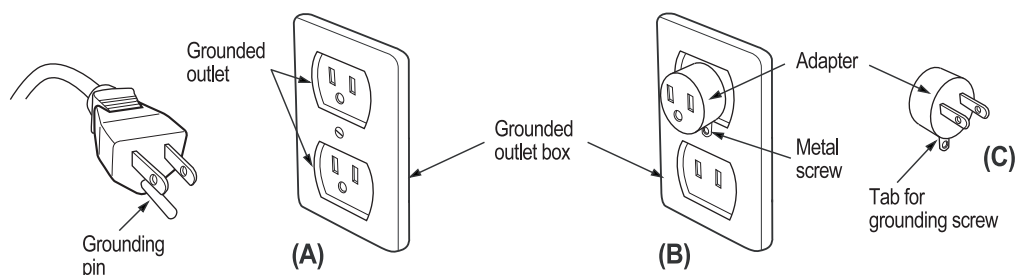
This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

DANGER-Improper use of the grounding plug can result in a risk of electric shock.

If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulating having an outer surface that is green with or without yellow stripes is the grounding wire.

Check with a qualified electrician or serviceperson if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

3. This product is for use on a nominal 120V circuit, and has a grounding plug that looks like the plug illustrated in sketch A. A temporary adapter, which looks like the adapter illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug and the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by the screw.



4. If it is necessary to use an extension cord, use only a three wire extension cord that has a three-blade grounding plug, and a three-slot receptacle that will accept the plug on the product. Replace or repair a damaged cord.

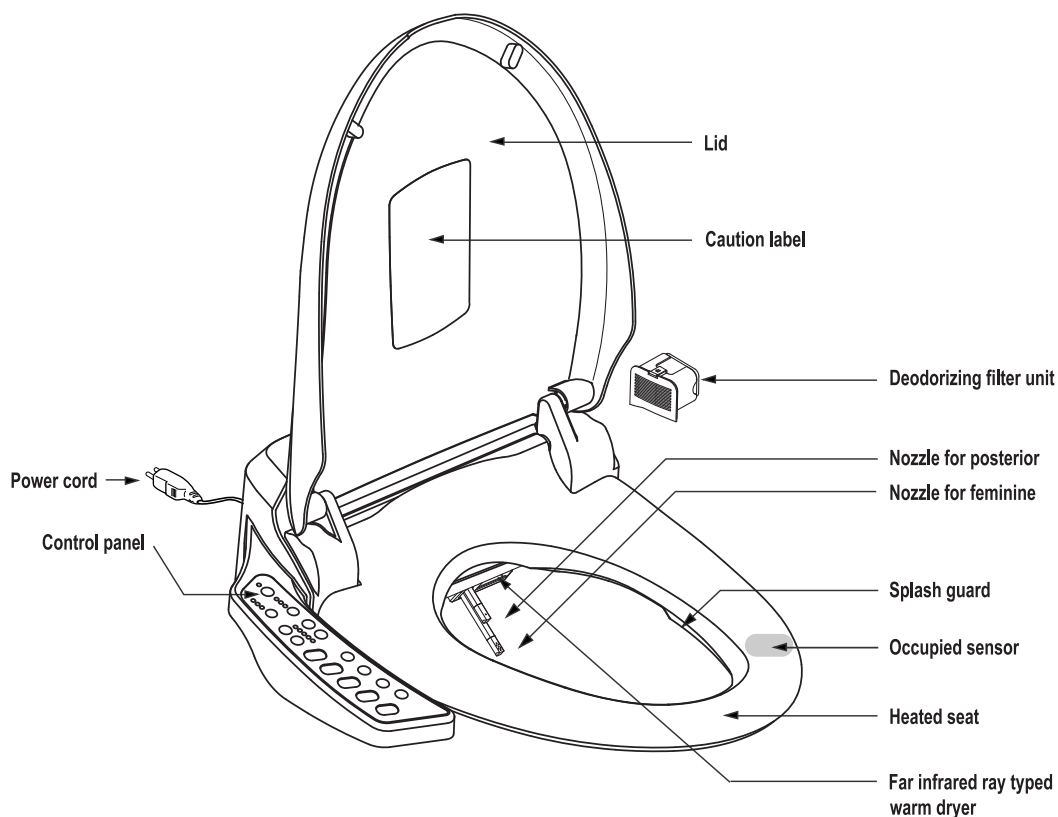
5. Remote control power : AAA(1.5V) , 3EA

CAUTION

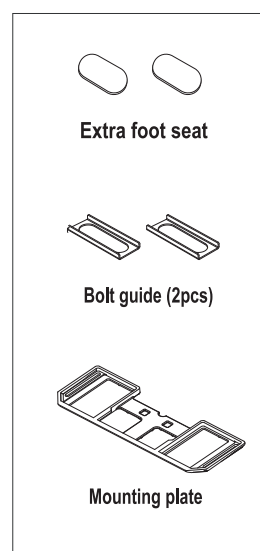
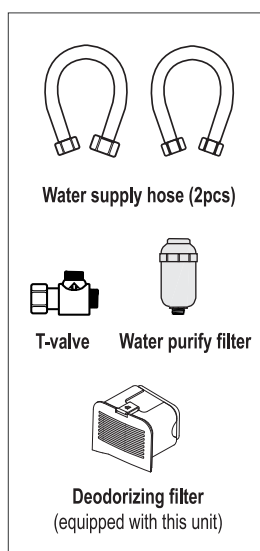
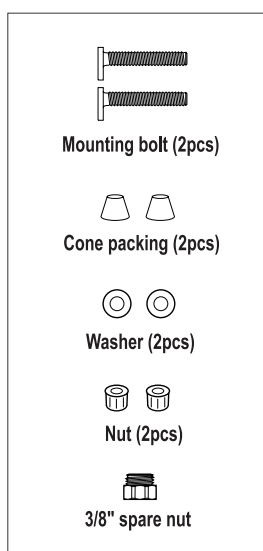
**RISK OF EXPLOSION TO BATTERY IF REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS**

3 Identification

1. Main unit



2. Accessories



6 How to use

※ Caution

- Be aware of not dropping a remote control in water. It may cause out of order or malfunction.
- All functions will be operational when the seat is occupied except Nozzle Cleaning.
- Before operating, ensure that water tank is filled up completely.
When the power is plugged in initially, nozzles for feminine wash and posterior wash will come out in turn.

Stop

- Press "Stop" to stop current operation.
- When a user stands up, all operations will stop automatically.

Cleansing

- Press "Cleansing" to clean your posterior. The function will stop in 60 seconds automatically.
- Press this button again to activate oscillation. The nozzle moves back and forth automatically to widen cleansing area.
- Oscillation wash stops if this button is pressed again.

Bidet

- Press "Bidet" for feminine wash. The function will stop in 60 seconds automatically.
- Press this button again to activate oscillation. The nozzle moves back and forth automatically to widen cleansing area.
- Oscillation wash stops if this button is pressed again.

Dry (far infrared ray)

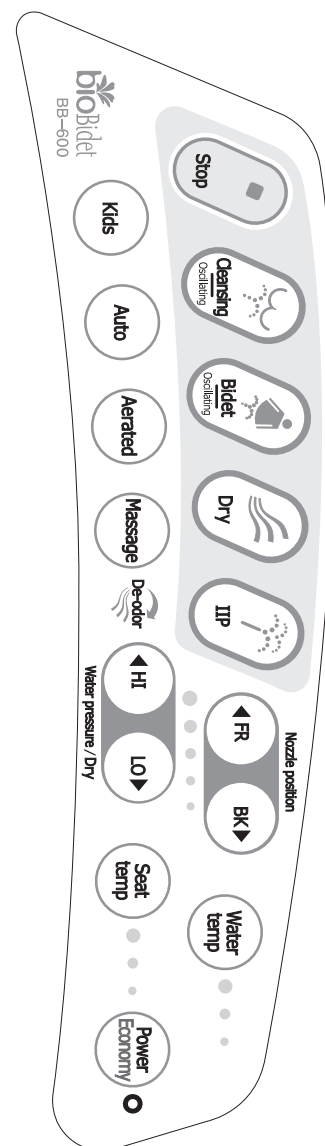
- Press "Dry" after "Cleansing" or "Bidet". Far infrared ray typed warm air will come out for 3 minutes.
- To alter the strength of air drying, press this button again.

IIP (intensive impulse pulsation)

- Press "IIP" for easy defecation. Intensive water pulsation may help you to have easy defecation.
- It works for 60 seconds and stops automatically.
- Press "IIP" again for changing the pulsation mode.

Kids

- Press "Kids" to change all functions to be suitable for children.
- 1 minute for oscillation and 3 minutes for dry, level 1 of water pressure and level 5 of nozzle position will be set.
- This unit should be used under the supervision of an adult.



Self-diagnosis system

- This appliance has a self-diagnostic system, whenever the appliance has a problem(s), a LED of power on the unit will light on.
- Unplug and contact service center immediately.

Self cleaning

- This appliance keeps clean its nozzles automatically before and after every use by rinsing off.

Auto

- Press "Auto" during the operation of "Cleansing", cleaning wash, oscillating wash and dry will operate for each 20 seconds consecutively.
- If Bidet Auto wanted, press "Bidet" and "Auto" consecutively.

Air (aerated spray)

- Press "Air" to use aerated wash to clean. Gentle, delicate but strong water spray will save water consumption.
- Press this button again to release this function.
- "Cleansing"; This function is always on.

Pulsation (massage)

- Press "Pulsation" to activate rhythmical wash for massage effect.
- Press "Pulsation" again to release this function.

Nozzle position

- Nozzle position can be adjustable by pressing the nozzle position buttons.
- Position will be initialized(level 3) after each of use.

Water pressure / Dry temperature

- Water spray pressure can be adjustable by pressing or in 5 levels.
- Temperature of dry can be adjustable by pressing or in 5 levels.
- Both levels will be initialized(level 3) after each of use.

Temperature adjustment (water / seat)

- Temperature of seat and water can be adjustable.
- There are four levels, Room temp-Low-Medium-High.

Economy

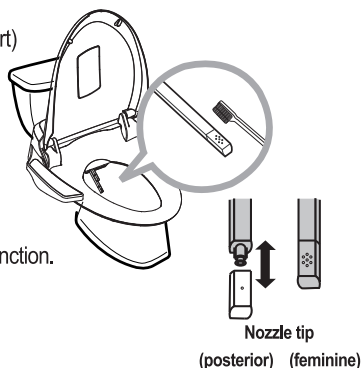
- Press "Economy" to activate the power saving function. The unit will be in an economy mode after 1 hours of last use.
- In the economy mode, temperature of water and seat will be kept to 30 degrees celsius. Economy mark(bulb) on the remote control and green light in an extra panel will be shown.
- When the unit is occupied during the economy mode, temperature will be returned to original setting levels and goes back to economy mode after 1 hours of last use.
- Press "Economy" again to release this function. Red light will be turned on in the extra panel.

7 How to clean

Nozzle cleaning

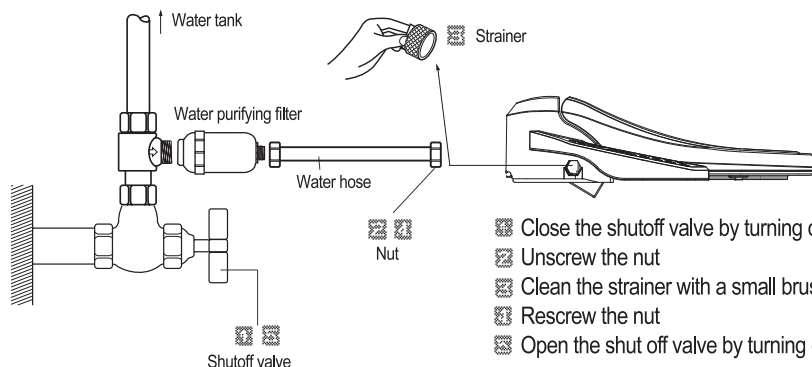
Caution Do not forcefully push or pull the nozzles, or bend them. It may result in failure.
Make sure to use "Cleaning" button on the remote control.

- 1 Make sure the occupied sensor is not activated.
(not sitting on the seat or not place hands on the seat sensor part)
- 2 Press "Cleaning" button, posterior nozzle comes out.
Press this button again, feminine nozzle comes out.
- 3 Do not forcefully push or pull the nozzles, or bend them.
Use a toothbrush or soft cloth to clean nozzles.
Press "Stop", and nozzle will return to stand-by mode.
For extended period of time cleaning, unplug for safety.
- 4 Do not retract nozzles without a nozzle tip. It may result in malfunction.
- 5 Beware of lost tips and changes.



Starainer maintenance

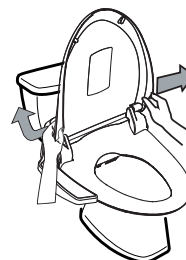
This appliance will not operate properly if the strainer is clogged.
Be sure to clean the strainer regularly.



- Close the shutoff valve by turning clockwise.
- Unscrew the nut
- Clean the strainer with a small brush.
- Rescrew the nut
- Open the shut off valve by turning counter clockwise.

Cleaning the body

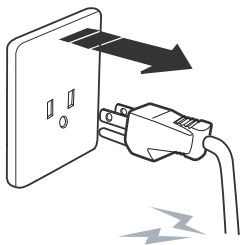
- Regularly wipe off the body with a dry soft cloth or sponge, or dampen with neutral detergent.
- Release the lid.
 1. Pull left and up the left hinge part .
 2. Release the right hinge part (Be aware your fingers not to be caught)
- For care of plastic body, do not use any cleansers which are not safe to use on toilet seats.
(toilet cleanser, home cleanser, bleach, benzene, paint thinner, cresol etc)



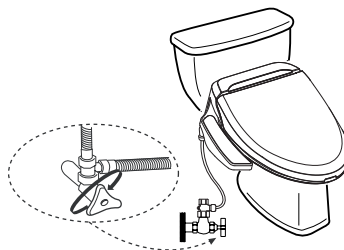
8 Maintenance

Draining water - while not using over extended period of time

- 1** Unplug the power supply cord.
⚠ Not doing so may cause fire.



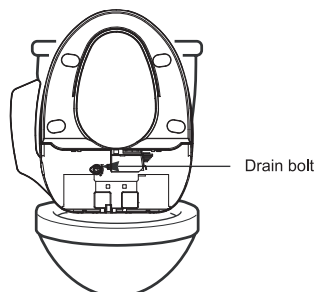
- 2** Close the shutoff valve.



- 3** Unscrew the mounting bolts.
⚠ Refer to the installation method.



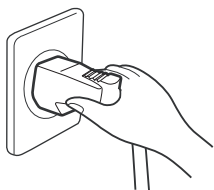
- 4** Uphold the appliance and thoroughly drain the water by unscrewing the drain bolt.
(beware of losing the drain bolt)



- 5** Screw the drain bolt and install the appliance.
⚠ Refer to the trial operation method in order to use this appliance again.

Preventing freezing

- 1** Make sure the power cord is plugged in properly.



- 2** Set the temperature of water to low or middle.
(Freezing can be prevented by thermal efficiency of water tank.)

⚠ If there is no heating system in the toilet, wrap pipes with cloth or other materials.

- 3** Not using the unit for a long time in winter, unplug and drain the water from the water tank and pipes thoroughly.

⚠ Refer to the water drain method.

9 How to install



Do not plug in until installation is finished completely.
Not doing so may damage the appliance.

If electric work is needed, contact to the qualified electrician or serviceman only.

Remove the existing toilet lid and seat

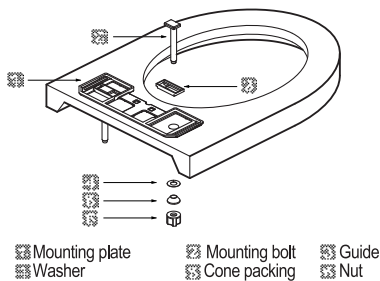
1. Remove the nuts, washers and cone packings from the toilet seat mounting bolts in the back of the toilet.
2. Remove the toilet seat, lid and mounting bolts.
3. Keep them in case of installing again.

Install the appliance

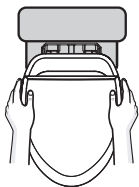
Installation

How to mount the plate

Place the plate and guides over each mounting hole. Insert the mounting bolts through the plate and mounting holes, and slide cone packings and washers onto the bolts.



How to attach and detach the unit



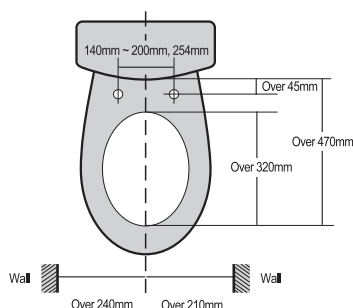
Slide the unit until it clicks into plate.



Lift the unit up and forward.

Toilet size (elongated & round front)

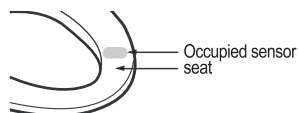
The toilet dimensions must be within those shown below.
Do not install this appliance on a toilet that does not meet those dimensional requirements.



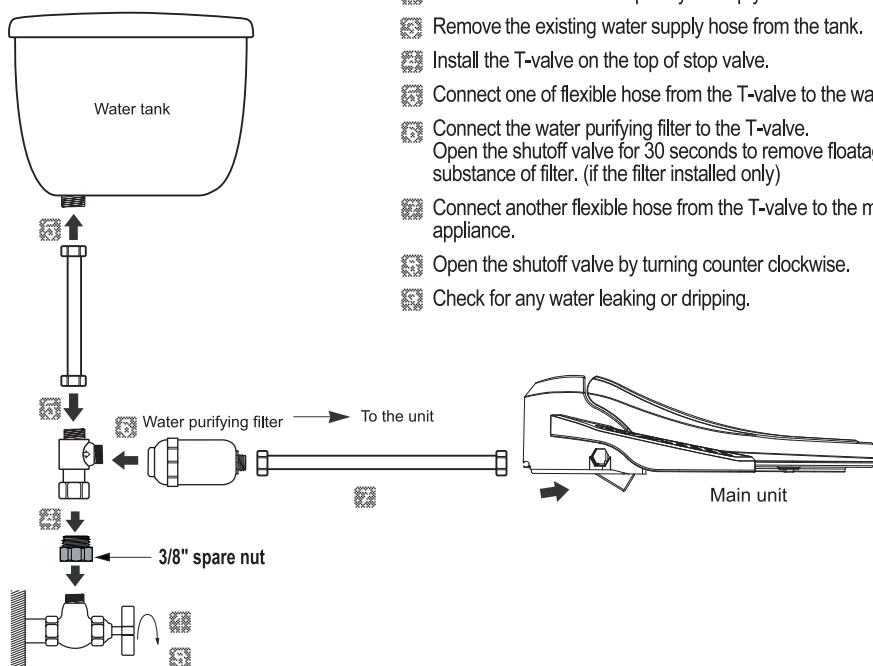
Occupied sensor

This appliance is equipped with occupied sensor.

Unit will not work unless seat is occupied.



Connecting the water hose and grounding wire



※ Water filter is optional.

1. Close the shutoff valve by turning clockwise.
2. Flush the water tank completely to empty.
3. Remove the existing water supply hose from the tank.
4. Install the T-valve on the top of stop valve.
5. Connect one of flexible hose from the T-valve to the water tank.
6. Connect the water purifying filter to the T-valve. Open the shutoff valve for 30 seconds to remove floatage substance of filter. (if the filter installed only)
7. Connect another flexible hose from the T-valve to the main appliance.
8. Open the shutoff valve by turning counter clockwise.
9. Check for any water leaking or dripping.

Trial operation

1. Preparation

Open the shutoff valve and check for any water leaking or dripping.
 Plug the power cord into the outlet.
 Press the "BIDET" or "CLEANSING", then water tank will be filled with water in 2 minutes.
 After the water tank has filled up, you will hear long buzzer sound.

2. Checking all functions

Cover the toilet bowl using the plastic wrapping sheet of the unit to prevent the washing water from being sprayed out of the toilet.
 Then check for all function described in this manual.

3. There are possibilities of water coming out that remains in the unit while heating.

10 Before calling for service

Problem	Possible cause	Solution
Completely fails to work	Is there a power cord outage? Is the powercord unplugged? Are you sitting on the seat correctly?	Check for a power cord failure or a tripped breaker Plug the power cord in properly Sit on the seat completely
Water does not spray	Is the water shutoff valve closed? Is the strainer clogged? Are the nozzles clogged? Is the water purifying filter clogged?	Check for any water leaking or dripping Clean the strainer Clean the nozzles Change the water purifying filter
Water is leaking or dripping	Check for all hoses are tightened properly	If water is still leaking or dripping, contact to your dealer
Seat, water or air is not enough warm	Is the temperature set to OFF? Is appliance used in economy mode such a cold weather?	Reset the temperature Release the economy function

11 Specifications

Item		BB-600
Standard power supply		AC 120V 60Hz 660W
Water supply	Way of connection	Direct connection to tap water
	Water pressure	0.08MPa ~ 0.75MPa
Clean-sing	Spray for cleansing	900 ± 100ml/min
	Spray for bidet	900 ± 100ml/min
	Water capacity	800 ml
	Spray temperature	Room Temp ~ 40°C (104°F)
	Heater capacity	600W
Safety feature		Thermal switch, Temperature fuse, Floating switch
Dry	Air temperature	Room temp ~ 60°C (140°F)
	Heater capacity	250W
	Safety feature	Temperature fuse
Heated seat	Seat temperature	Room temp ~ 40°C (104°F)
	Heater capacity	55W
	Safety feature	Temperature fuse
Circuit breaker		Within 15mA 0.03 second
Length of power cord		1.2m
Dimensions		(W)392mm X (L)520mm X (H)143 (W)15.43inch X (L)20.47inch X (H)5.62inch
Weight		4.4Kg(9.7lbs) 4.2Kg(9.25lbs)

※ Recommended water supply pressure are 0.1MPa~0.69MPa

※ The minimum available water supply pressure is 0.08MPa~0.1MPa, however under 0.1Mpa pressure, water spray pressure might not be enough strong.